EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	146	(549/328).CCLS.	USPAT; USOCR	OR	OFF	2007/06/18 09:32
L3	1879	(502/152).CCLS.	USPAT; USOCR	OR	OFF	2007/06/18 09:32

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: _Robert (Reibson) Shia_   Examiner # : _7952_   Date: _7/5/07_

Art Unit: _626_   Phone Number _302-0707_   Serial Number: _10/523,263_

Mail Box and Bldg/Room Location: _REM 5A10_   Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.
****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.
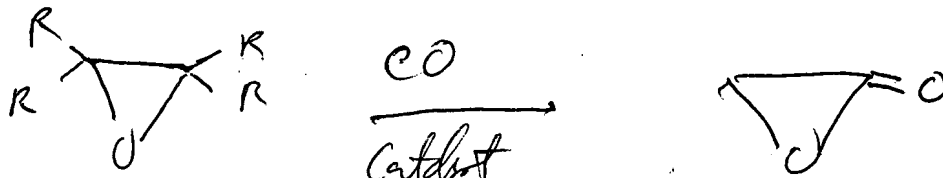
Title of Invention: _Catalyst and Method for_

Inventors (please provide full names): _Luinstra et al_
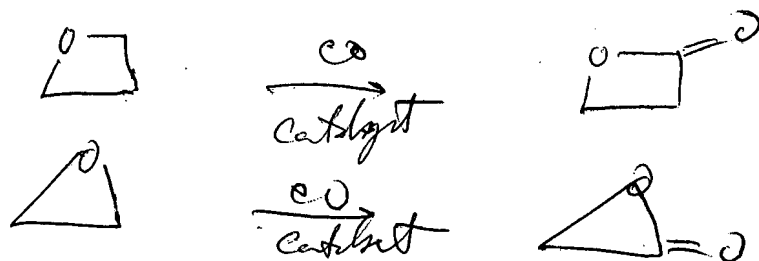
Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

I sub a process of prepration of lactone by Carbonylation : (see claim 1)
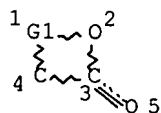

R is sub

II subs a pron of amide lactone by carbonylation

****

```
=> => d que stat 134
L32                STR
```



```
REP G1=(0-1) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC   3
NUMBER OF NODES IS   5

STEREO ATTRIBUTES: NONE
L34         4974 SEA FILE=REGISTRY SSS FUL L32

100.0% PROCESSED  734887 ITERATIONS                    4974 ANSWERS
SEARCH TIME: 00.00.03


=> d que nos 171
L5              QUE   ABB=ON   PLU=ON   EPOXIDES+PFT,OLD,NEW,NT/CT
L6              QUE   ABB=ON   PLU=ON   LACTONES+PFT,OLD,NEW,NT/CT
L7              QUE   ABB=ON   PLU=ON   CARBONYLATION+PFT,OLD,NEW,NT/CT
L8              QUE   ABB=ON   PLU=ON   "CARBONYLATION CATALYSTS"+PFT,OLD,NE
                W,NT/CT
L9              QUE   ABB=ON   PLU=ON   ?OXIRAN?
L10             QUE   ABB=ON   PLU=ON   OXIRAN?
L11             QUE   ABB=ON   PLU=ON   ?EPOXID?
L12             QUE   ABB=ON   PLU=ON   EPOXID?
L13             QUE   ABB=ON   PLU=ON   ?EPOXY?
L14             QUE   ABB=ON   PLU=ON   ?LACTON?
L15             QUE   ABB=ON   PLU=ON   ?LACTONE
L16             QUE   ABB=ON   PLU=ON   LACTON?
L17             QUE   ABB=ON   PLU=ON   ?CARBONYLAT?
L18             QUE   ABB=ON   PLU=ON   ?CATALY?
L19             QUE   ABB=ON   PLU=ON   COCATALY? OR (CO(W)CATALY?)
L20             QUE   ABB=ON   PLU=ON   CO OR ?COBALT?
L21             QUE   ABB=ON   PLU=ON   AL OR ?ALUMIN?
L22             QUE   ABB=ON   PLU=ON   ?MAGNESIUM?
L23             QUE   ABB=ON   PLU=ON   ZN? OR ?ZINC?
L24             QUE   ABB=ON   PLU=ON   LUINSTRA, G?/AU
L25             QUE   ABB=ON   PLU=ON   MOLNAR, F?/AU
L26             QUE   ABB=ON   PLU=ON   RIEGER, B?/AU
L27             QUE   ABB=ON   PLU=ON   ALLMENDINGER, M?/AU
L28             QUE   ABB=ON   PLU=ON   BASF/CS,SO,PA
L30             QUE   ABB=ON   PLU=ON   AY<2004 OR PY<2004 OR PRY<2004 OR MY
                <2004 OR REVIEW/DT
L32                   STR
L34         4974 SEA FILE=REGISTRY SSS FUL L32
L36         8956 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L34
L37         2475 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L36(L)(PREP+NT)/RL
```
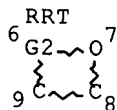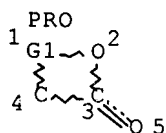
```
L38        20725 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L6 (L)(PREP+NT)/RL
L39          618 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L37 OR L38) AND L5
L40          120 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L37 OR L38) AND L7
L41           99 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L37 OR L38) AND L8
L42          749 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L7 OR L8)(L)L20
L43          108 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L7 OR L8)(L)(L21 OR L22 OR
                                                  L23)
L44            9 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L42 AND L43
L45        97796 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L20(10A)(L18 OR L19)
L46       181695 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L21 OR L22 OR L23)(10A)(L18
                                                  OR L19)
L47        25380 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L45 AND L46
L48           14 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L39 OR L40 OR L41) AND (L44
                                                  OR L47)
L49          310 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L17 (L)((L9 OR L10 OR L11 OR
                                                  L12 OR L13))
L50           34 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L37 OR L38) AND L49
L51           10 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L50 AND (L44 OR L47)
L53          609 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L17 (L)(L14 OR L15 OR L16)
L54           63 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L49 AND L53
L55           30 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L54 AND L8
L56           13 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L54 OR L55) AND (L44 OR L47)

L57           87 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L7 (L) (L14 OR L15 OR L16)
L58           48 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L7 (L) (L9 OR L10 OR L11 OR
                                                  L12 OR L13)
L59           14 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L57 AND L58
L60          148 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L37 OR L38) (L) L17
L61            9 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L41 OR L60) AND (L24 OR L25
                                                  OR L26 OR L27 OR L28)
L62          170 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L41 OR L60) NOT L61
L63          138 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L62 AND L30
L64          117 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L63 AND (L8 OR (L18 OR L19))
L65        28732 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L5 (L) (RACT+NT)/RL
L66           16 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L64 AND L65
L67           15 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L64 AND (L9 OR L10 OR L11 OR
                                                  L12 OR L13)
L68           40 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L48 OR L51 OR L56 OR L59 OR
                                                  (L66 OR L67))
L69           33 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L68 NOT L61
L70           25 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L69 AND L30
L71           25 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L70 AND (L5 OR L6 OR L7 OR L8
                      OR L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17
                      OR L18 OR L19 OR L20 OR L21 OR L22 OR L23)
```

```
=> d que stat 176
L74                STR
```



```
REP G1=(0-1) C
REP G2=(0-1) C
NODE ATTRIBUTES:
```

```
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED


GRAPH ATTRIBUTES:
RSPEC    3    6
NUMBER OF NODES IS    9


STEREO ATTRIBUTES: NONE
L76           159 SEA FILE=CASREACT SSS FUL L74 (   989 REACTIONS)


100.0% DONE  768912 VERIFIED   989 HIT RXNS                   159 DOCS
SEARCH TIME: 00.00.38




=> d que nos 188
L24              QUE  ABB=ON  PLU=ON  LUINSTRA, G?/AU
L25              QUE  ABB=ON  PLU=ON  MOLNAR, F?/AU
L26              QUE  ABB=ON  PLU=ON  RIEGER, B?/AU
L27              QUE  ABB=ON  PLU=ON  ALLMENDINGER, M?/AU
L31              QUE  ABB=ON  PLU=ON  AY<2004 OR PY<2004 OR PRY<2004
L32              STR
L34         4974 SEA FILE=REGISTRY SSS FUL L32
L74              STR
L76          159 SEA FILE=CASREACT SSS FUL L74 (   989 REACTIONS)
L77            2 SEA FILE=CASREACT ABB=ON  PLU=ON  L76 AND (L24 OR L25 OR L26
                 OR L27)
L78          157 SEA FILE=CASREACT ABB=ON  PLU=ON  L76 NOT L77
L79          122 SEA FILE=CASREACT ABB=ON  PLU=ON  L78 AND (L31 OR REVIEW/DT)
L80           10 SEA FILE=CASREACT ABB=ON  PLU=ON  L79 AND (?CARBONYLAT?/AB,BI)

L81           48 SEA FILE=CASREACT ABB=ON  PLU=ON  L79 AND ((?CATALY?/AB,BI) OR
                 (COCATALY?/AB,BI OR (CO/AB,BI(W)CATALY?/AB,BI)))
L85         1227 SEA FILE=CASREACT ABB=ON  PLU=ON  L34/RRT
L86           11 SEA FILE=CASREACT ABB=ON  PLU=ON  L79 NOT L85
L87           12 SEA FILE=CASREACT ABB=ON  PLU=ON  (L80 OR L86) AND L81
L88           12 SEA FILE=CASREACT ABB=ON  PLU=ON  L87 AND L79


=> d que stat 195
L74              STR
```
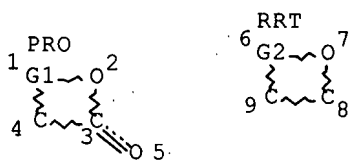


```
REP G1=(0-1) C
REP G2=(0-1) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC    3    6
NUMBER OF NODES IS    9
```

10

```
STEREO ATTRIBUTES: NONE
L93          799 SEA FILE=CHEMINFORMRX ABB=ON   PLU=ON   (?CARBONYLAT?/BI,AB)
L95            7 SEA FILE=CHEMINFORMRX SUB=L93 SSS FUL L74 (    53 REACTIONS)


100.0% DONE       99 VERIFIED       53 HIT RXNS                      7 DOCS
SEARCH TIME: 00.00.03
```

```
=> d que nos 197
L30              QUE ABB=ON   PLU=ON   AY<2004 OR PY<2004 OR PRY<2004 OR MY
                 <2004 OR REVIEW/DT
L74              STR
L93          799 SEA FILE=CHEMINFORMRX ABB=ON   PLU=ON   (?CARBONYLAT?/BI,AB)
L95            7 SEA FILE=CHEMINFORMRX SUB=L93 SSS FUL L74 (    53 REACTIONS)
L97            4 SEA FILE=CHEMINFORMRX ABB=ON   PLU=ON   L95 AND L30
```
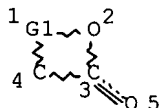
```
=> d que stat 1100
L32              STR
```



```
REP G1=(0-1) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC   3
NUMBER OF NODES IS    5

STEREO ATTRIBUTES: NONE
L100         115 SEA FILE=WPIX SSS FUL L32
```

```
100.0% PROCESSED   26213 ITERATIONS                    115 ANSWERS
SEARCH TIME: 00.00.12
```

```
=> d his 1100-1105

     (FILE 'WPIX' ENTERED AT 12:05:29 ON 17 MAY 2007)
L100         115 S L32 FUL
             SAVE TEMP L100 SHI263WPIS/A
             SELECT L100 1- SDCN
L101         411 S E124-E238/DCN
L102         592 S L100/DCR
L103          54 S L101-L102 (P)M720/M0,M1,M2,M3,M4,M5,M6
L104           1 S L2 NOT L102


     FILE 'ZCAPLUS' ENTERED AT 12:09:34 ON 17 MAY 2007
L105             QUE (C07D0305-00 OR C07D0303-00)/IPC

=> d que nos 1135
```

11